

CITY COUNCIL AGENDA ITEM COVER MEMO

Agenda Item Number _____

Meeting Type: Regular

Meeting Date: 6/13/2013

Action Requested By:
Engineering

Agenda Item Type
Resolution

Subject Matter:

Modification No. 1 to Agreement with Goodwyn, Mills & Cawood, Inc.

Exact Wording for the Agenda:

Resolution authorizing the Mayor to modify the agreement with Goodwyn, Mills & Cawood, Inc. for Engineering Design Services for U. S. Highway 431 Improvements at Sutton Road, Caldwell Lane, Old Big Cove Road, and Plainview Drive, Project No. 65-12-RD03, by Modification No. 1

12-552

Note: If amendment, please state title and number of the original

Item to be considered for: Action

Unanimous Consent Required: No

Briefly state why the action is required; why it is recommended; what Council action will provide, allow and accomplish and; any other information that might be helpful.

This modification is for additional grade, base, pavement, and signal improvements needed at Old Big Cove Road, Caldwell Lane, and Sutton for a total modification amount of \$17,066.00. Account No. 23-6500-0813-8113

Associated Cost:

Budgeted Item: Select...

MAYOR RECOMMENDS OR CONCURS: Select...

Department Head: Kathy Moore

Date:

revised 3/12/2012

15
5-29-13

ROUTING SLIP CONTRACTS AND AGREEMENTS

Originating Department: **Engineering**

Council Meeting Date: **6/13/2013**

Department Contact: **Lynn Majors**

Phone # **256-427-5201**

Contract or Agreement: **Modification No. 1**

Document Name: **GM&C-US Hwy 431 Improvements-Project No. 65-12-RD03**

City Obligation Amount: **\$17,066.00**

Total Project Budget: **\$193,523.70**

Uncommitted Account Balance: **0**

Account Number: **23-6500-0813-8113**

Procurement Agreements

<u>Not Applicable</u>	<u>Not Applicable</u>
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Grant-Funded Agreements

<u>Not Applicable</u>	Grant Name:
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Department	Signature	Date
1) Originating	<i>Kathy Orr</i>	<i>5/24/13</i>
2) Legal	<i>Wendy Carter</i>	<i>6/6/13</i>
3) Finance	<i>[Signature]</i>	<i>6/6/13</i>
4) Originating		
5) Copy Distribution		
a. Mayor's office (1 copies)		
b. Clerk-Treasurer (Original & 2 copies)		

RESOLUTION NO. 13-

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and is hereby authorized, in Huntsville, Alabama, on behalf of the City of Huntsville, a municipal corporation in the State of Alabama to enter into Modification No. 1 to the Agreement with Goodwyn, Mills & Cawood, Inc., adopted and approved on the 28th day of June, 2012, by the City Council of the City of Huntsville, Alabama by Resolution No. 12-552, as attached hereto.

BE IT FURTHER RESOLVED that the total contract amount be and hereby is modified from ONE HUNDRED SEVENTY-SIX THOUSAND FOUR HUNDRED FIFTY-SEVEN AND .70/100 DOLLARS (\$176,457.70) to ONE HUNDRED NINETY-THREE THOUSAND FIVE HUNDRED TWENTY-THREE AND .70/100 DOLLARS (\$193,523.70), including this Modification No. 1, an increase of SEVENTEEN THOUSAND SIXTY-SIX AND NO/100 DOLLARS (\$17,066.00). Agreement is substantially in words and figures similar to that document attached hereto and identified as "Modification No. 1 to Agreement between City of Huntsville and Goodwyn, Mills & Cawood, Inc. for Engineering Design Services for U. S. Highway 431 Improvements at Sutton Road, Caldwell Lane, Old Big Cove Road, and Plainview Drive, Project No. 65-12-RD03, as adopted by Resolution No. 12-552 of June 28, 2012" consisting of a total of three (3) pages plus twenty-one (21) additional pages consisting of Attachment "A", and the date of June 13, 2013, appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, and an executed copy of said document being permanently kept on file in the Office of the City Clerk of the City of Huntsville, Alabama.

ADOPTED this the 13th day of June, 2013.

President of the City Council of
the City of Huntsville, Alabama

APPROVED this the 13th day of June, 2013.

Mayor of the City of Huntsville,
Alabama

STATE OF ALABAMA)
COUNTY OF MADISON)

Modification No. 1 to Agreement between
the City of Huntsville and Goodwyn, Mills
& Cawood, Inc. for Engineering Design
Services for U. S. Highway 431
Improvements at Sutton Road, Caldwell
Lane, Old Big Cove Road, and Plainview
Drive, Project No. 65-12-RD03, as adopted
by Resolution No. 12-552 of June 28, 2012

THIS IS MODIFICATION NO. 1 TO AN AGREEMENT entered in on the 28th day of June, 2012, in the amount of ONE HUNDRED SEVENTY-SIX THOUSAND FOUR HUNDRED FIFTY-SEVEN AND .70/100 DOLLARS (\$176,457.70). The original Agreement is hereby amended by Modification No. 1 dated June 13, 2013, in the amount of SEVENTEEN THOUSAND SIXTY-SIX AND NO/100 DOLLARS (\$17,066.00) for a revised total contract amount of ONE HUNDRED NINETY-THREE THOUSAND FIVE HUNDRED TWENTY-THREE AND .70/100 DOLLARS (\$193,523.70), by and between the CITY OF HUNTSVILLE, ALABAMA, a municipal corporation in the State of Alabama (Owner) and GOODWYN, MILLS & CAWOOD, INC., (ENGINEER).

WITNESSETH

WHEREAS, the firm identified as the ENGINEER to the Agreement dated June 28, 2012, has proposed a change, identified as Attachment "A" to the Original Agreement. This modification delineates a change for additional grade, base, pavement, and signal improvements.

WHEREAS, the Owner desires that the contract drawings be altered to be consistent with Attachment "A" hereto.

NOW THEREFORE, in consideration of the mutual covenants set forth herein, the Owner and the ENGINEER agree to the following modifications to the agreement:

1. Goodwyn, Mills & Cawood, Inc. will provide for additional grade, base, pavement, and signal improvements at a time and materials cost not to exceed SEVENTEEN THOUSAND SIXTY-SIX AND NO/100 DOLLARS (\$17,066.00).

President of the City Council of the City of
Huntsville, AL
Date: June 13, 2013

2. Item #1 shall be performed in accordance with the original agreement dated June 28, 2012, and approved by the City Council by Resolution No. 12-552, and as described in the letter from Eric Lane to Kathy Martin, dated May 8, 2013, shown as Attachment "A".
3. The terms of this contract modification and the execution thereof is not in any way to be viewed as a waiver on the part of the Owner of any of its rights pursuant to the Contract.
4. All other terms and conditions remain unchanged.

IN WITNESS WHEREOF, the parties have entered their hands and seals and attest to the same with the signature of the Mayor being the official act of the said municipality in accordance with his duly constituted authority.

THE CITY OF HUNTSVILLE, ALABAMA,
a municipal corporation

By: _____
Tommy Battle
Its Mayor

ATTEST:

Charles E. Hagood
City Clerk-Treasurer

STATE OF ALABAMA)
COUNTY OF MADISON)

I, the undersigned, a notary public in and for said County, in said State, hereby certify that Tommy Battle and Charles E. Hagood, whose names as Mayor and City Clerk-Treasurer of the City of Huntsville, a municipal corporation, are signed to the foregoing instrument, and who are known to me, acknowledged before me on this day that, being informed of the contents of the instrument, they, in their capacity as such officers, executed the same with full authority for and as the act of said corporation on the day the same bears day.

GIVEN under my hand and official seal this the _____ day of _____ 2013.

Notary Public
My Commission Expires: _____

ENGINEER: GOODWYN, MILLS &
CAWOOD INC.

By: _____

ATTEST:

Laneka Carter

STATE OF ALABAMA)
COUNTY OF MADISON)

I, the undersigned, a notary public in and for said County, in said State, hereby certify that Eric Lane, as Project Manager, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, in his capacity as such officer, executed the same with full authority for and as the act of said Corporation on the day the same bears day.

GIVEN under my hand and official seal this the 30th day of May 2013.

Mary D. Hollingsworth
Notary Public
My Commission Expires: 3/28/15

ATTACHMENT "A"

GOODWYN | MILLS | CAWOOD

May 8, 2013

Ms. Kathy Martin, P.E.
 City Engineer
 City of Huntsville Engineering
 P.O. Box 308
 Huntsville, Alabama 35804

AK
5-17-13

**RE: U.S. Hwy. 431 Improvements (Addendum to Contract Dated May 31, 2012
 Additional Grade, Base, Pavement, and Signal Improvements
 Madison County, AL**

Dear Ms. Martin,

Goodwyn, Mills and Cawood, Inc. (GMC) is pleased to provide our services for the above referenced project. GMC recently attended a Plan-in-Hand/ PS & E review with the Alabama Department of Transportation (ALDOT) and the City of Huntsville (COH) on May 1-2, 2013. It was brought to everyone's attention at that meeting by ALDOT that due to federal/state funds being included with the construction of these improvements, the signal renovations at Sutton Road would require a signal warrant analysis and plan inclusion of said improvements due to the proposed left turn lane.

Additionally, it was learned that due to recent regulations from ALDOT that all pole foundations require boring logs and passive pressure diagrams be prepared for further foundation design at such time as the signal pole foundation is to be constructed.

Also, it was brought to everyone's attention from Division 1 that they wished to see the existing features at the Old Big Cove Road Intersection and how these improvements would tie to the existing features on the East side of the said intersection.

Based on these comments from ALDOT, GMC has prepared this scope of services to be included as part of the original scope of work already in place with the COH to cover such work.

Field Survey

GMC will produce a topographic detail of the existing embankments of the fill on the East side of the Old Big Cove Rd. intersection with US Hwy. 431. This data will serve assist in the further preparation of revision to existing and proposed sheets required to include this area (already designed) into a ALDOT Standard set of plans. This data will additionally aid in preparation of earthwork quantities in this area.

GOODWYN, MILLS AND CAWOOD, INC.

7 Town Center Drive, Suite 201
 Huntsville, AL 35806

Tel 256.539.3431 Fax 256.536.9913

GMCNETWORK.COM



Plan Development

GMC will prepare revised plans to include the area East of the said intersection. Skipper Consulting will be in charge of the signal warrant and signal renovation plans associated with the improvements at Sutton Rd. Said improvements will be included into the plans and quantities generated accordingly.

Geo Solutions prepared the base materials report for this project and will additionally be in charge of the recently requested borings for the pole foundation borings at Caldwell Lane and Old Big Cove Rd per the layout design that Skipper Consulting has prepared.

Task Summary	Fee
Field Survey	\$1,940.00
Plan Development Including:	
<i>(Signal Renovations/ Warrant @ Sutton Rd. and Signal Pole Borings)</i>	<u>\$15,125.80</u>
Total	\$17,065.80

GMC will provide these services for a total fee of **\$17,066**. This fee is broken out into individual man-days on the attached spreadsheet.

Services not included:

-Permitting (ADEM, Army Corps., etc)

Our reasonable schedule of completion will follow the schedule for the existing project already contracted .

These services can be provided per the attached fee schedule. These hourly rates will remain in effect for the duration of the Contract and/or the completion date.

Goodwyn, Mills and Cawood, Inc. appreciated the opportunity to provide our services on this important City of Huntsville Project and looks forward to working with your staff. If you have any questions or comments on our fee proposal, please call me at 539-3431.

Sincerely,
Goodwyn, Mills and Cawood, Inc.

Eric Lane, P.E.
Huntsville Civil Department

5/8/2013

City of Huntsville Engineering Division

9:48 AM

Project No.	
Project Name	Hwy. 431 Improvements (Addendum)
Description	Grade, Base, Pavement, and Signal
Scope of Work	Pavement tie back to Proposed Old Big Cove Rd and Sutton Signal Renov.
Project Length	Intersection Dependent
C.O.H. Project Engineer	Chris McNeese
Engineering Consultant	Goodwyn, Mills and Cawood, Inc.

GRAND TOTAL OF FEE PROPOSAL

	Labor Cost	Out-of-pocket Expenses	Fee
Corridor Study	\$0.00	\$0.00	\$0.00
Field Surveys	\$1,938.00	\$2.00	\$1,940.00
Preliminary Roadway Plans	\$0.00	\$0.00	\$0.00
Preliminary Bridge Plans	\$0.00	\$0.00	\$0.00
Right-of-Way Map, Tract Sketches and Deeds	\$0.00	\$0.00	\$0.00
Roadway Plans	\$15,047.80	\$78.00	\$15,125.80
Bridge Plans	\$0.00	\$0.00	\$0.00
Drainage Plans	\$0.00	\$0.00	\$0.00
Sanitary Sewer Plans	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
SUB-TOTAL	\$16,985.80	\$80.00	\$17,065.80
GRAND TOTAL FEE			\$17,066

LABOR RATES	Effective Time Period	June 2012 til June 2013 (see attached)
Classification	Hourly Rate	Assigned Personnel
Project Engineer	\$170.00	Burt Hankins, PE
Environmental Scientist		
Design Engineer	\$150.00	Eric Lane, PE
Engineer Tech. / CADD	\$75.00	Sarah Ray
Clerical	\$65.00	Kathy Fields
PLS	\$110.00	Rusty Blackwell
Survey Crew	\$100.00	2-man crew

Signed

Eric Lane

Date

5/8/13

Position/Title

Project Manager

5/8/2013

City of Huntsville Engineering Division

9:48 AM

Project No.			
Project Name Hwy. 431 Improvements (Addendum)			
Description Grade, Base, Pavement, and Signal			
Scope of Work Pavement tie back to Proposed Old Big Cove Rd and Sutton Signal Renov.			
Project Length Intersection Dependent			
C.O.H. Project Engineer Chris McNeese			
Engineering Consultant Goodwyn, Mills and Cawood, Inc.			

FIELD SURVEY		PLS	Survey Crew	Engineer Tech. / CADD
Based on a 2 Man Crew		ESTIMATED MAN-DAYS		
Task				
Contact Property Owners		0.00	0.00	0.00
Perform Basic Control Survey		0.03	0.06	0.00
Obtain Topographic Data		0.03	0.25	0.06
Define Drainage Areas/Prepare Schematic Drainage Map		0.00	0.00	0.06
Identify/Locate Utilities		0.03	0.06	0.00
Tie to Required Property Corners		0.03	0.06	0.00
Obtain Copies of Latest Deeds		0.00	0.00	0.00
Set & Reference PIs, PCs, POTs, POCs, & other critical points		0.00	0.00	0.00
Prepare Detailed Topographical/Field Map		0.03	0.00	0.75
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
TOTALS		0.15	0.43	0.87

5/8/2013

City of Huntsville Engineering Division

9:48 AM

Project No.	
Project Name	Hwy. 431 Improvements (Addendum)
Description	Grade, Base, Pavement, and Signal
Scope of Work	Pavement tie back to Proposec
Project Length	Intersection Dependent
C.O.H. Project Engineer	Chris McNeese
Engineering Consultant	Goodwyn, Mills and Cawood, Inc.
Out-of-pocket Expenses (Field Survey)	

PRINTING / REPRODUCTION COST					
Type of printing/reproduction	# of Sets	Sheets per Set	Total Sheets	Cost per Sheet	Total
Field Prep. Sheets for Notes	1	1	1	\$ 1.00	\$ 1.00
Drainage Analysis Sheets	1	1	1	\$ 1.00	\$ 1.00
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction C					\$ 2.00

Communication Cost (telephone, fax, etc.)	Total
	\$ -

Postage Cost (overnight, stamps, etc.)	Total
	\$ -

Other (provide description on next line)	Total
	\$ -

Total Out-of-pocket Expenses	\$ 2.00
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Comments:

5/8/2013

City of Huntsville Engineering Division

9:48 AM

Project No.			
Project Name	Hwy. 431 Improvements (Addendum)		
Description	Grade, Base, Pavement, and Signal		
Scope of Work	Pavement tie back to Proposed Old Big Cove Rd and Sutton Signal Renov.		
Project Length	Intersection Dependent		
C.O.H. Project Engineer	Chris McNeese		
Engineering Consultant	Goodwyn, Mills and Cawood, Inc.		
Fee Proposal (Field Survey)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	0.50	\$ 1,360.00	\$ 680.00
PLS	0.15	\$ 880.00	\$ 132.00
Survey Crew	0.43	\$ 800.00	\$ 344.00
Engineer Tech. / CADD	0.87	\$ 600.00	\$ 522.00
Clerical	0.50	\$ 520.00	\$ 260.00
	Sub-Total		\$ 1,938.00
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
		\$	-
		\$	-
		\$	-
		\$	-
		\$	-
		\$	-
Subconsultant Administration Expense (5%)		\$	-
	Sub-Total	\$	-
TOTAL LABOR		\$	1,938.00

Project No.								
Project Name Hwy. 431 Improvements (Addendum)								
Description Grade, Base, Pavement, and Signal								
Scope of Work Pavement tie back to Proposed Old Big Cove Rd and Sutton Signal Renov.								
Project Length Intersection Dependent								
C.O.H. Project Engineer Chris McNeese								
Engineering Consultant Goodwyn, Mills and Cawood, Inc.								
ROADWAY PLANS		# OF SHEETS	ESTIMATED MAN-DAYS					
			Project Engineer		Design Engineer		Engineer Tech. / CADD	
			DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL
SHEET TITLE								
TITLE SHEET		0.00	0.00	0.00	0.00	0.00	0.00	
INDEX SHEET		0.10	0.00	0.00	0.02	0.00	0.00	
PROJECT NOTE SHEET		0.00	0.00	0.00	0.00	0.00	0.00	
PLANS LEGEND		0.00	0.00	0.00	0.00	0.00	0.00	
TYPICAL SECTIONS								
Main Roadway		0.00	0.00	0.00	0.00	0.00	0.00	
Cross Roads		0.25	0.06	0.02	0.13	0.03	0.06	
Detour & Misc.		0.00	0.00	0.00	0.00	0.00	0.00	
Ramps		0.00	0.00	0.00	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00	0.00	0.00	
SUMMARY SHEET								
Main Summary		0.00	0.00	0.00	0.00	0.00	0.00	
SUMMARY BOX SHEETS								
Roadway Pipe		0.10	0.03	0.00	0.13	0.01	0.03	
Culvert Extension, New Culvert		0.00	0.00	0.00	0.00	0.00	0.00	
Bridge Culvert Extension, New Bridge Culvert		0.00	0.00	0.00	0.00	0.00	0.00	
Guardrail		0.00	0.00	0.00	0.00	0.00	0.00	
Slope Paving (Under Bridges)		0.00	0.00	0.00	0.00	0.00	0.00	
Side Drain Pipe		0.00	0.00	0.00	0.00	0.00	0.00	
Signing		0.10	0.02	0.00	0.03	0.00	0.01	
Base & Pavement		0.00	0.00	0.00	0.00	0.00	0.00	
Bridge		0.00	0.00	0.00	0.00	0.00	0.00	
Striping & Pavement Markings		0.10	0.03	0.00	0.06	0.01	0.01	
Curb & Gutter		0.10	0.02	0.00	0.03	0.00	0.01	
Bridge End Slabs		0.00	0.00	0.00	0.00	0.00	0.00	
Roadway Lighting		0.00	0.00	0.00	0.00	0.00	0.00	
Sidewalk		0.00	0.00	0.00	0.00	0.00	0.00	
Slope Paving (Ditches)		0.00	0.00	0.00	0.00	0.00	0.00	
Ditch Summary		0.00	0.00	0.00	0.00	0.00	0.00	
Concrete Safety Barrier		0.00	0.00	0.00	0.00	0.00	0.00	
Retaining Wall		0.00	0.00	0.00	0.00	0.00	0.00	
Misc. Boxes		0.20	0.02	0.00	0.03	0.01	0.01	
Erosion Control		0.10	0.02	0.00	0.03	0.00	0.01	
		0.00	0.00	0.00	0.00	0.00	0.00	

5/8/2013

City of Huntsville Engineering Division

9:48 AM

ROADWAY PLANS	# OF SHEETS	ESTIMATED MAN-DAYS					
		Project Engineer		Design Engineer		Engineer Tech. / CADD	
		DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL
SHEET TITLE							
PLAN & PROFILE							
Main Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crossroads	1.00	0.03	0.03	0.13	0.13	0.25	0.25
Detours	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Retaining Walls	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PAVING LAYOUT							
Main Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crossroads	0.10	0.03	0.00	0.13	0.01	0.25	0.03
Intersections	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGES							
Geometrics	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ramps Profiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cross Sections	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Signing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRAFFIC CONTROL							
Sequence of Construction	0.10	0.03	0.00	0.06	0.01	0.13	0.01
Summary & notes	0.10	0.03	0.00	0.06	0.01	0.13	0.01
Typical Section Sketches	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Signing Layout	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Special Drawings	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STRIPING & SIGNING							
Signing, Striping & Pavement Markers Layout	0.10	0.03	0.00	0.06	0.01	0.13	0.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SIGNALIZATION							
Signal Layout (1 per site)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Traffic Analysis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Traffic Counts (1 per site)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Signal Warrant Analysis (1 per site)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(See Attached)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UTILITY SHEETS							
Utility Sheets	0.10	0.03	0.00	0.06	0.01	0.13	0.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DRAINAGE SECTIONS							
Pipe&Culvert X-Sect./Profiles	0.20	0.06	0.01	0.25	0.05	0.50	0.10
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIGHTING							
Plan Layout	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EROSION CONTROL							
Erosion Control Layout	0.10	0.03	0.00	0.06	0.01	0.13	0.01

5/8/2013

City of Huntsville Engineering Division

9:48 AM

ROADWAY PLANS SHEET TITLE	# OF SHEETS	ESTIMATED MAN-DAYS					
		Project Engineer		Design Engineer		Engineer Tech. / CADD	
		DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL
Erosion Control Details	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ROADWAY CROSS SECTIONS							
Main Roadway	0.50	0.03	0.02	0.13	0.07	0.25	0.13
Crossroads	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Earthwork Balancing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUB-TOTAL	3.35		0.08		0.37		0.70
REVIEW MEETINGS							
Design Criteria/Kickoff			0.00		0.00		0.00
30% Review			0.00		0.00		0.00
60% Review			0.00		0.00		0.00
90% Review			0.00		0.00		0.00
Stormwater Permits			0.00		0.00		0.00
Drainage Report			0.00		0.00		0.00
Cost Estimates			0.10		0.50		0.75
Design Hearing			0.00		0.00		0.00
			0.00		0.00		0.00
			0.00		0.00		0.00
SUB-TOTAL			0.10		0.50		0.75
TOTAL MAN-DAYS			0.18		0.87		1.45

5/8/2013

City of Huntsville Engineering Division

9:48 AM

Project No.			
Project Name Hwy. 431 Improvements (Addendum)			
Description Grade, Base, Pavement, and Signal			
Scope of Work Pavement tie back to Proposed Old Big Cove Rd and Sutton Signal Renov.			
Project Length Intersection Dependent			
C.O.H. Project Engineer Chris McNeese			
Engineering Consultant Goodwyn, Mills and Cawood, Inc.			
Fee Proposal (Roadway Plans)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	0.18	\$ 1,360.00	\$ 244.80
Design Engineer	0.87	\$ 1,200.00	\$ 1,044.00
Engineer Tech. / CADD	1.45	\$ 600.00	\$ 870.00
Clerical	1.00	\$ 520.00	\$ 520.00
Sub-Total			\$ 2,678.80
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
Signal Design & Signal Warrant Analysis by Skipper Consulting			\$ 7,410.00
Geotechnical Survey/ Materials Testing (see man-day estimate)			\$ -
Performed By Geo Solutions: Mr. William Kennard, PE			\$ 4,370.00
Subconsultant Administration Expense (5%)			\$ 589.00
Sub-Total			\$ 12,369.00
TOTAL LABOR			\$ 15,047.80

5/8/2013

City of Huntsville Engineering Division

9:48 AM

Project No.	
Project Name	Hwy. 431 Improvements (Addendum)
Description	Grade, Base, Pavement, and Signal
Scope of Work	Pavement tie back to Proposed Old Big Cove Rd and Sutton Signal Renov.
Project Length	Intersection Dependent
C.O.H. Project Engineer	Chris McNeese
Engineering Consultant	Goodwyn, Mills and Cawood, Inc.
Out-of-pocket Expenses (Roadway Plans)	

PRINTING / REPRODUCTION COST

Type of printing/reproduction	# of Sets	Sheets per Set	Total Sheets	Cost per Sheet	Total
Construction Plan Submittal to Maintenance	7	4	28	\$ 1.00	\$ 28.00
Mylar Submittal	1	4	4	\$ 12.50	\$ 50.00
			0		\$ -
			0		\$ -
			0		\$ -
			0		\$ -
Total Printing/Reproduction C					\$ 78.00

Communication Cost (telephone, fax, etc.)	Total
	\$ -

Postage Cost (overnight, stamps, etc.)	Total
	\$ -

Other (provide description on next line)	Total
	\$ -

Total Out-of-pocket Expenses **\$ 78.00**

Comments:

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GEOTECHNICAL SERVICES



MEMORANDUM

To: Mr. Eric Lane, P.E.
From: William T. Kennard, P.E.
Subject: Scope and Fee Modifications
Improvements to US 431
Huntsville, Alabama
Project No.: 12-297

Date: May 6, 2013

Based on recent conversations with you, we understand there will be eight new signal light poles associated with the project. These poles will require a separate foundation report.

Accordingly the following supplemental scope and fee are presented.

Traffic Signal Pole Foundation Study

8 Borings @ 20/boring at \$12/ft	1,920.00
Field Time	1,200.00
Report Preparation	<u>1,250.00</u>
Total	\$4,370.00

We request pole locations be staked in the field by others prior to our personnel mobilizing to the site.

If you have any questions, please call.



SIGNAL DESIGN AND WARRANT ANALYSIS

U.S. Highway 431 at Sutton Road
Traffic Signal Design
Huntsville, Alabama

**Scope of Work
Traffic Signal Design
U.S. Highway 431 Improvements
Sutton Road
Huntsville, Alabama**

Traffic Signal Warrant Study

The Consultant will conduct a traffic signal warrant study for the intersection of U.S. Highway 431 at Sutton Road in Huntsville, Alabama. The study process to be followed to undertake the traffic signal warrant study includes:

1. Collect traffic count information for the study intersection as required to complete the study process;
2. Establish the criteria for traffic signal evaluation;
3. Conduct a traffic signal warrant evaluation for existing conditions for the study location;
4. Prepare documentation to reflect current signal warrants for the study location in a format required by ALDOT;
5. Submit a "Draft" of the report to the Client/Owner for review and comment;
6. Conduct a telephone conference with the Client to discuss the findings of the study efforts;
7. Prepare documents for transmittal to ALDOT; and
8. Coordinate ALDOT review of the study document.

The final study report document will be provided in draft format (.pdf) for review and final comments. Upon receipt of comments from the Client and City, the Consultant will publish a "final" version for the study report. Six (6) copies of the report document will be submitted to ALDOT for their review. Skipper Consulting will work with ALDOT during their review of the study. Approval of the study by ALDOT is not guaranteed by Skipper Consulting.

Traffic Signal Design

Intersections to be included in the traffic signal design effort will include:

- U.S. Highway 431 at Sutton Road

The Consultant would initiate the design portion of this project by discussing the parameters of the signal design with the City of Huntsville and the Alabama Department of Transportation. Following these discussions, the signal design would be undertaken. It is assumed that base mapping of existing and proposed conditions will be provided by the Client. This base mapping should include roadway geometric features, striping, underground and overhead utilities, storm drainage, right of way, and easements and shall be provided in either AutoCAD or Microstation format.

Design efforts for the project will be undertaken using procedures and specifications consistent with the latest Federal Aid plan standards of the Alabama Department of Transportation and specifications as provided by the City. Design efforts would include:

- Signal phasing and timing.
- Research applicable City and ALDOT specifications.
- Determine appropriate signal notes.
- Determine equipment and installation details.

U.S. Highway 431 at Sutton Road
Traffic Signal Design
Huntsville, Alabama

The plan would be prepared in federal aid format for insertion in an existing plan set and would include applicable a signal plan sheet, applicable detail sheets, striping modifications for the signalized intersection, and updated quantities. The construction cost estimate will also be updated.

Plans shall be prepared for submittal to the City and ALDOT. The Consultant will attend any applicable portions of review meetings and address all plan review comments received from ALDOT. Cost estimates shall be updated for each review as necessary.

The Consultant shall provide one set of paper copies for each plan review and one set of mylars for the Office Engineer submittal. Electronic files shall be provided as requested by the Client, in either AutoCAD or Microstation format. Electronic files and paper copies of the estimate shall be provided with each plan review.

Items Specifically Excluded from the Scope of Work

All work tasks which are not included in the scope are excluded. Work tasks which are specifically excluded include, but are not limited to, the following:

- Surveying
- Geotechnical investigation
- Pole design
- Pole foundation design
- Permitting

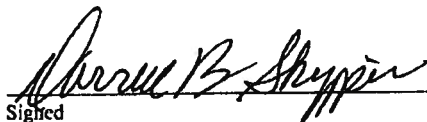
5/6/2013

City of Huntsville Engineering Division

3:10 PM

Project No.	STPAA-0001()		
Project Name	U.S. Highway 431 Improvements		
Description	Sutton Road		
Scope of Work	Traffic Signalization		
Project Length			
C.O.H. Project Engineer			
Engineering Consultant	Skipper Consulting		
GRAND TOTAL OF FEE PROPOSAL			
	Labor Cost	Out-of-pocket Expenses	Fee
Corridor Study	\$0.00	\$0.00	\$0.00
Field Surveys	\$0.00	\$0.00	\$0.00
Preliminary Roadway Plans	\$0.00	\$0.00	\$0.00
Preliminary Bridge Plans	\$0.00	\$0.00	\$0.00
Right-of-Way Map, Tract Sketches and Deeds	\$0.00	\$0.00	\$0.00
Roadway Plans	\$7,410.00	\$0.00	\$7,410.00
Bridge Plans	\$0.00	\$0.00	\$0.00
Drainage Plans	\$0.00	\$0.00	\$0.00
Sanitary Sewer Plans	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
GRAND TOTAL FEE			\$7,410

LABOR RATES	Effective Time Period	
Classification	Hourly Rate	Assigned Personnel
Project Engineer	\$130.00	Richard Caudle
Environmental Scientist		
Design Engineer		
Engineer Tech. / CADD	\$65.00	Ty Cosby
Clerical	\$40.00	Anita Osbourne
PLS		
Survey Crew		


 Signed

5/6/2013
 Date

President
 Position/Title

ROADWAY PLANS		ESTIMATED MAN-DAYS						
		# OF SHEETS	Project Engineer		Design Engineer		Engineer Tech. / CADD	
			DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL
SHEET TITLE								
PLAN & PROFILE								
Main Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Crossroads	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Detours	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Retaining Walls	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PAVING LAYOUT								
Main Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Crossroads	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intersections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
INTERCHANGES								
Geometrics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Ramps Profiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Site Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Cross Sections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Signing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TRAFFIC CONTROL								
Sequence of Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Summary & notes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Typical Section Sketches	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Signing Layout	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Special Drawings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
STRIPING & SIGNING								
Signing, Striping & Pavement Markers Layout	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SIGNALIZATION								
Signal Layout (1 per site)	1.00	2.00	2.00	0.00	0.00	1.50	1.50	
Traffic Analysis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Traffic Counts (1 per site)	1.00	0.00	0.00	0.00	0.00	2.00	2.00	
Signal Warrant Analylsis (1 per site)	1.00	1.00	1.00	0.00	0.00	2.00	2.00	
Special Details	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
UTILITY SHEETS								
Utillity Sheets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DRAINAGE SECTIONS								
Pipe&Culvert X-Sect./Profiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LIGHTING								
Plan Layout	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Special Details	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EROSION CONTROL								

5/6/2013

City of Huntsville Engineering Division

3:10 PM

ROADWAY PLANS	# OF SHEETS	ESTIMATED MAN-DAYS					
		Project Engineer		Design Engineer		Engineer Tech. / CADD	
		DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL
Erosion Control Layout	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erosion Control Details	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ROADWAY CROSS SECTIONS							
Main Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crossroads	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Earthwork Balancing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUB-TOTAL	4.00		3.25		0.00		5.75
REVIEW MEETINGS							
Design Criteria/Kickoff			0.00		0.00		0.00
30% Review			0.00		0.00		0.00
60% Review			0.00		0.00		0.00
90% Review			0.50		0.00		0.50
Stormwater Permits			0.00		0.00		0.00
Drainage Report			0.00		0.00		0.00
Cost Estimates			0.25		0.00		0.00
Design Hearing			0.00		0.00		0.00
			0.00		0.00		0.00
			0.00		0.00		0.00
			0.00		0.00		0.00
SUB-TOTAL			0.75		0.00		0.50
TOTAL MAN-DAYS			4.00		0.00		6.25

5/6/2013

City of Huntsville Engineering Division

3:10 PM

Project No. STPAA-0001()			
Project Name U.S. Highway 431 Improvements			
Description Sutton Road			
Scope of Work Traffic Signalization			
Project Length			
C.O.H. Project Engineer			
Engineering Consultant Skipper Consulting			
Fee Proposal (Roadway Plans)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	4.00	\$ 1,040.00	\$ 4,160.00
Design Engineer	0.00	\$ -	\$ -
Engineer Tech. / CADD	6.25	\$ 520.00	\$ 3,250.00
Clerical	0.00	\$ 320.00	\$ -
Sub-Total			\$ 7,410.00
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
		\$	-
		\$	-
		\$	-
Subconsultant Administration Expense (5%)		\$	-
Sub-Total			\$ -
TOTAL LABOR			\$ 7,410.00